



Iraq Reconstruction Update

A Weekly Construction & Sustainment Report

06.06.06



Operation Barnstormer Concludes – AN-2 Colt biplane sprays crops in order to reduce the amount of insect damage. See story on page 3.

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Iraq Energy Roundtable

Emerging Opportunities in Iraqi Oil and Gas



A June 7th energy roundtable will include presentations by key Iraq Ministry of Oil officials on the challenges facing the Iraqi oil and gas sectors. Discussions will also focus on how international businesses may play a role in supporting sector reform and reconstruction. The roundtable is being sponsored by the U.S. Trade and Development Agency.

More info: <http://www.energymarketsgroup.com/>



Video Story:

Water Project Nearing Completion

Soldiers assess a water treatment plant near the town of Riyadh, Iraq.

See the video: <http://news.soc.mil/releases/06APR/06041917.wmv>

Project Dispatches

Completed Police Station in Erbil Adds to Security Effort

Construction is complete on a Dibeka police station in Erbil Province. The \$366,000 project was completed late last month. The project scope included construction of a one-story building which consisted of office space, restroom and shower rooms, weapons storage, a security wall, a generator and a fuel tank.



Another Ninewa Province Completed



Construction is complete on the Al Arej School in the Ninewa Province. The \$342,000 project was completed last month. The project required the construction of 12 classrooms to accommodate 300 students and 20 teachers.

Sewage Network in Karadah to Serve 60,000

A sewage network project in Karadah, Baghdad Province has been completed. The \$534,000 project was completed on May 22nd. The project scope included installing 6 km of pipe to eliminate sewage from area streets. The network collects sewage from residential and commercial points and transports it to an area pump station. The completed project affects approximately 60,000 residents.



Feeder Line Installation in North Babil Completed



Construction is complete on the installation of 33kV feeder lines in North Babil, Baghdad Province. The \$115,000 project installed two new 33kV underground feeders from an older substation to a new substation. The project benefits approximately 11,500 residents in the North Babil neighborhood.

Al-Sulaymaniyah Substation Supplies Power for 5,000

The Bardaka electrical substation in Al-Sulaymaniyah, Al-Sulaymaniyah Province is complete. The \$3.4M substation project required the design and construction of a switchgear building and associated switching equipment, kitchen, offices, bathrooms, guardhouse and perimeter fence. The substation can provide electrical power to more than 5,000 homes in the area.



Iraq Quick Fact: The Iraq Stock Exchange reopened under the new streamlined securities law resulting in an increase in companies listed from 10 initially to 87.

Database Integral to Measurement of Prime Contractor Performance

Part 1 of a Series

By Sheryl Lewis, PCO – Washington Capacity Development Director

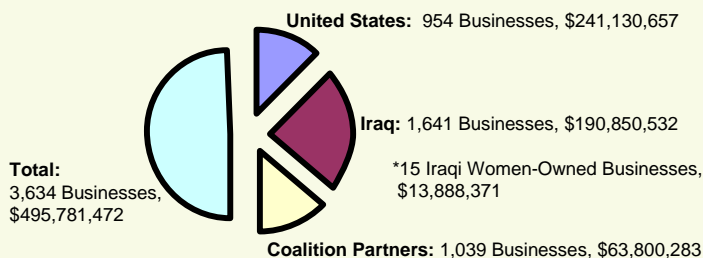
WASHINGTON – The Project and Contracting Office (PCO) established the Subcontracting Excellence and Capacity Development Database in January 2005 to ensure a coordinated, standardized, and web-based approach to track, document, and report on subcontracting and Capacity Development (CD) activities conducted by the 11 prime contractors.

The Subcontracting Excellence component of the database was designed to satisfy Federal Acquisition Regulation (FAR) and PCO subcontracting requirements. These regulations state that dollars allocated for subcontracting must be distributed in a fair and equitable manner, and that a standardized approach be used to track and report these awards.

Subcontracting activity is reported by the prime contractors on a monthly basis and includes work performed by American small business, local Iraqi businesses, Iraqi women-owned businesses, and Coalition partners.

As of April 2006, approximately 3,600 businesses have been awarded subcontracts for a total of \$496 million through the PCO prime contractors. Of these, over 1,640 - at a value of almost \$191 million - have been awarded to local Iraqi businesses. Figure 1 shows the breakdown of businesses awarded subcontracts over the past two years.

Figure 1: Number of Businesses Awarded Subcontracts by GRD/PCO Prime Contractors



A key component of the PCO mission in Iraq is to build the capacity of the local Iraqi workforce. The Subcontracting Excellence component of the database contains a module where good faith efforts, lessons learned, training and mentoring of local Iraqi businesses are documented.

This data is then used by PCO and the Joint Contracting Command – Iraq to:

- support the prime contractor award fee determination process
- generate required standard small-business reports
- rapidly respond to external party inquiries
- oversee prime contractor subcontracting goals and dollars
- conduct real-time comparisons between subcontracting goals and current subcontracting activities

More on Capacity Development....

Useful CD Links

UN Development Program

<http://www.capacity.undp.org/>

Capacity.org

<http://www.capacity.org/en/>

World Bank

<http://www.worldbank.org/capacity>

Development Gateway

<http://www.developmentgateway.org/>

Japan International Cooperation Agency

<http://www.jica.go.jp/english/about/policy/cd/index.html>

Pamphlet Download



Download the pamphlet

[http://www.rebuilding-](http://www.rebuilding-iraq.net/pls/portal/docs/PAGE/PCO_CONTENT/HOME/IDE0_DISPLAY/IDE0_PAGE/CAPACITY_DEVELOPMENT.WMV)

[iraq.net/pls/portal/docs/PAGE/PCO_CONTENT/HOME/IDE0_DISPLAY/IDE0_PAGE/CAPACITY_DEVELOPMENT.WMV](http://www.rebuilding-iraq.net/pls/portal/docs/PAGE/PCO_CONTENT/HOME/IDE0_DISPLAY/IDE0_PAGE/CAPACITY_DEVELOPMENT.WMV)

Pentagon Channel CD Video Story



View the video:

[http://www.rebuilding-](http://www.rebuilding-iraq.net/pls/portal/url/ITEM/07251F2EFBC)

[iraq.net/pls/portal/url/ITEM/07251F2EFBC](http://www.rebuilding-iraq.net/pls/portal/url/ITEM/07251F2EFBC)

[C801DE040A8C00B0741F5](http://www.rebuilding-iraq.net/pls/portal/url/ITEM/07251F2EFBC)

Iraq Reconstruction Update

Aerial Spraying of Iraqi Crops Concludes

Compiled by American Forces Press Service

TIKRIT, Iraq – Operation Barnstormer, part of the Iraqi Agriculture Ministry's program to protect key staple crops from insect damage, wrapped up yesterday with a final day of aerial spraying in the northern Iraqi province of Dahuk.

The operation began May 16 and covered most of the major agricultural areas in the Iraqi provinces of Karbala, Wassit, Babil, Baghdad, Diyala, Ninewa and Dohuk. The crops were sprayed with a pesticide to reduce the amount of insect damage to the country's vital wheat and date crops. This was the first aerial spraying operation conducted in Iraq in three years, officials said. With the increased yield that is expected to result from this spraying, Iraq should see a boost in revenues from its date exports and a reduction in the amount of wheat imported to supply the Iraqi citizens.



AN-2 Colt biplanes - owned and operated by a private company - prepare to continue crop spraying. U.S. Army Photo)

The Ministry of Agriculture contracted with a private company to conduct the spraying. Using older Soviet-designed helicopters and bi-planes, the company flew low over the trees and fields, distributing the pesticide.

Iraqi security forces, with coalition assistance, provided security for the aircraft as the spraying was conducted.

Task force officials said Operation Barnstormer is a success for the Ministry of Agriculture, a step forward in meeting the needs of Iraqis dependent on the agricultural sector and the development of a strong and thriving economy in Iraq.

A Container Too Far



Soldiers with the 876th Engineer Company tow a heavily-laden distressed Iraqi vehicle to a gas station in Ramadi. (Photo by Lance Cpl. William L. Dubose III)

Last US-Funded Tameen School Opens

By Polli Barnes Keller
Gulf Region North
U.S. Army Corps of Engineers



MOSUL, Iraq – The Deputy Director General of Education, Fawzia Abdullah, and the U.S. Army Corps of Engineers, Provincial Reconstruction Team Engineer, Maj. Craig Guth cut the ribbon to formally open the Zam Zam Primary School. This was the final school completed which utilized the Iraqi Relief and Reconstruction Fund (IRRF). The IRRF was established by the U.S. Congress on Nov. 6, 2003 and allocated \$18.4 billion dollars to rebuild Iraq's infrastructure.

In the Tameen Province, construction of the 52 schools costing \$5.4M began in November 2004. The first of the schools was completed in January 2005 and the last to be finished was the Zam Zam primary school. The hand-over of the Zam Zam Primary school signals the end of the IRRF program in this province.

Roadway Repair in Fallujah; Physically Demanding Night Work

Story and photo by Cpl. Stephen Holt
1st Marine Logistics Group

CAMP FALLUJAH, Iraq - The sound of a cement mixer breaks up the darkness on a lone Iraqi road near Fallujah. Marines are working in what is known as "black out" condition - no light other than the moon and the occasional glimmer of a flashlight. It's 6 a.m. and the sun will soon be rising. This is the time many Americans get up for work, but for the combat engineers of Company C, they've already put in an eight-hour day.

The Marines of Company C, Combat Logistics Battalion 5, are hard at work repairing the roads that intersect the city and countryside of Fallujah. Repairing the streets of Iraq isn't quite like repaving a road in the United States. Instead of fluorescent orange vests and hardhats road workers wear in the States, Marine engineers carry rifles with optic sights, and wear combat gear consisting of a protective vest, helmet and ammunition for a combined weight of over 50 pounds.



Sgt. Shawn Peterson pours freshly mixed concrete into a crater during a route repair mission.

The roads these Marines work on are traveled by Iraqi citizens, along with coalition and Iraqi Security Forces and are constantly damaged by roadside bomb attacks. Fixing them is crucial to the movement of supplies and troops in the area, said Maj. Steven R. Svendsen, the executive officer of CLB-5. The work done by the Marines is also helping rebuild the Iraqi infrastructure, he said.

The night repair mission begins right after dusk with a quick meeting entailing the mission and latest intelligence findings. The unit, also known as "Hell Bent Charlie", goes straight to work quickly filling two holes as soon as they leave the confines of the base. Not much longer afterwards they encounter the very threat they are trying to fight - an improvised explosive device.

The engineers set up security and call the explosive ordinance disposal team. The potentially deadly device is neutralized in minutes and the Marine road workers press on.

These road-side bombs are a favorite weapon used to wreak havoc on coalition forces. The threat of IEDs is one of the main reasons these Marines are on the road. "A lot of (the roads) have fallen into disrepair over the years; (they are) a perfect place for an insurgent to put an IED," said 1st Lt. Edward J. Walsh. Sometimes craters from IEDs are used multiple times making the work to fill these dangerous potholes very important, explained Walsh.

While conducting the repairs separate teams are tasked to provide security, survey the crater to make sure it is safe to repair, and conduct the actual repair, said Sgt. Shawn Peterson. The Marines have to work fast to avoid being a target of insurgents and still perform their job with precision. Many of these missions have been subject to deadly sniper and mortar attacks.

Working with hundreds of pounds of concrete mix and dirt, in temperatures of more than 100 degrees during the day, is physically demanding, even for these Marines. The results of their efforts are evident to the engineers every time a convoy rides a road made safer by their work.

Mandali Smiles



MANDALI, Iraq - School girls are all smiles after Iraqi army soldiers arrived in Mandali with boxes of school supplies donated by a non-profit organization from Westchester County, N.Y. (Photo by Staff Sgt. Mark Wojciechowski)

Iraqi Government – A Who's Who Profile

Part 1 of a Five-Part Series

Compiled by Press Office
U.S. Embassy - Baghdad

President Jalal Talabani

- Born in 1933
- Started his political career at the age of 14 when he joined the Kurdistan Democratic Party [KDP] in 1947
- A founding member of the Kurdistan Students' Association
- Chosen in 1951 as a member of the KDP's central committee
- Obtained his BA in law in 1959
- Chief editor of two local Kurdish newspapers in the late 1950s
- Participated in the Kurdish revolution against former president Abd-al-Karim Qasim
- Head of the Kurdish delegation to the 1963 talks with the Iraqi government under the reign of Abd al-Salam Arif
- Defected from the KDP in 1964 as a result of differences with KDP leader Mustafa Barzani. In 1966 Talabani and a number of former KDP members allied with the central government launched a military campaign against the KDP
- A co-founder of the Patriotic Union of Kurdistan [PUK], a secular and socialist entity
- In 1976 the PUK began military action against the central government
- Responded to a call by former president Saddam Hussein to begin peace talks in the midst of the Iran-Iraq War, which were unsuccessful
- Fled to Iran in 1988 following the chemical attack launched by the Iraqi Government against the Kurds
- The No-Fly Zone imposed by the Allies in the aftermath of the 1991 War furnished the Kurds with a sort of safe haven. Soon afterwards, the KDP, led by Mas'ud Barzani, and PUK, led by Jalal Talabani, agreed to overcome their differences. In 1994, however, the two main Kurdish blocs were engaged in military confrontations against one another. It was not until 1998 that the two parties came to sign a peace treaty in Washington
- After the fall of Baghdad in March 2003, Talabani became a member of the Iraqi Governing Council



Profile Continued on Page 6

Oct. is Expected Rehabilitation Center Completion; Inmates Will Receive Training

Story & Photos by Claude D. McKinney
Gulf Region North
US Army Corps of Engineers

TIKRIT, Iraq — Hundreds of Iraq inmates will have the opportunity to train in meaningful professions and job skills when the Dahuk Rehabilitation Center is completed in October 2006. For the first time in Iraq, the Dahuk government is participating in a cost-share program to complete the center.

This French design-build correctional facility is the only one of its type in Iraq. Most of the existing rehabilitation centers in Iraq are from 1980's designs or earlier. This new design allows inmates of all types to be housed in one location. It will accommodate 750-1000 inmates, and have separate corridors for adult males, juveniles, women with light sentences (less than 5 years), and women with heavy sentences (greater than 5 years). The facility will also have a hospital, visitation area, and workshops for rehabilitation.



Correctional facility as it sat for nearly 5 years, following Phase One. The bottom photo shows Phase Two well under way.

This project is significant on two fronts. First is the sheer size and scale of the project, its economic impact on the local community during construction, and the operation requirements that will follow for years to come. Second, the cost-share concept is a new concept. Having the local authorities share the cost of construction is a new model of cooperation that will allow Iraq to move forward in reconstruction efforts at a much faster rate.

Though the financial arrangement to cost-share this project is unique for Iraq's reconstruction program, it is a standard requirement for all Corps of Engineer civil works projects in the United States, with projects being jointly funded between federal and local governments.

Story Continued on Page 6

Continued from Page 5...Talabani Profile

- Is said to have "very friendly" relations with grand Shiite figure Ayatollah Ali al-Sistani and Abd al-Aziz al-Hakim, head of the Supreme Council of the Islamic Revolution in Iraq
- Known for his stand against the death penalty
- Has maintained that multinational forces should remain in Iraq as any premature pullback would lead to "a disaster"
- Has called for allowing armed groups to become involved in the political process
- He was elected Iraq's new president on April 6, 2005, but expressed dissatisfaction with his presidential powers, demanding more
- Talabani calls for federalism in Iraq
- Holds that "terrorism in Iraq can be defeated this year if Iraq succeeds in forming a national-unity government"
- Is known to support democracy, inter-ethnic harmony, equality and women's rights



NEXT WEEK: Profiles of Vice President Adil Abd-al-Mahdi, Vice President Tariq al-Hashimi and Prime Minister Nuri Al-Maliki

Non-Profit Organization Provides Training to Iraqi Humanitarian Aid Groups



The National Democratic Institute for International Affairs conducted organizational development training for representatives from 15 Iraqi humanitarian aid organizations. The session addressed topics such as the role of NGOs in advocating for citizens' interests with government institutions, strategic planning, and organizational systems.

The National Democratic Institute for International Affairs (NDI) is a nonprofit/nonpartisan organization working to strengthen and expand democracy worldwide. NDI provides practical assistance to civic and political leaders advancing democratic values, practices and institutions.

NDI Website: <http://www.ndi.org/about/about.asp>

Continued from Page 5...Rehab Center

So far, reconstruction projects in Iraq have been financed in their entirety by either Coalition or Iraqi monies.

This rehabilitation center is the first instance of the blending of both Iraqi and Coalition funds to complete a project. In this case, the project had been started before the coalition forces appeared on the scene.

Two-thirds of this rehabilitation center will be completed using Coalition funds and the remainder will be funded by the local government. This is a partnership in the truest sense.

During the construction of the center, the project will employ 300 to 500 Iraqi workers each day. When complete, the center will employ 500 workers in permanent jobs in various fields such as security, administration, education, housekeeping, cooking, and maintenance, as well as various areas in the medical profession.

This project is the largest construction project in Dahuk. The main building is 21,000 square meters on the ground floor and 17,000 square meters on the second floor. The rehabilitation center sits on approximately 60,000 square meters of property and will have its own water well.

There are two phases to the construction.

Phase I was completed during the regime of Saddam Hussein. It included site work (soil grading, and compaction), and the concrete placement for the entire complex which included, foundations, footings, columns, beams, the second floor flooring and roofing slabs. Also included in Phase I was the rough-in of electrical and some plumbing.

Phase II is a joint effort between the United States Government and the local Iraqi government on a 65/35 cost sharing arrangement. The US portion of Phase II includes completion of the design and construction of the main structure as well as the mechanical and electrical works for the power and equipment plant.

The Iraqi portion of Phase II includes construction of the security perimeter wall, new access roads to the complex, installation of the 11 KV overhead electrical supply line, the back-up generator, landscaping work, drilling a new deep well and installation of the water distribution lines.

Iraq Reconstruction Update

Projects at a Glance (As of: June 2, 2006)

Compiled by Katie Wall, PCO

•\$8.734 billion has been disbursed, representing 65% of total funds

•2,760 projects starts (out of 3,143 planned projects). This number includes 357 projects funded under the Development Fund Iraq (DFI)

•2,303 projects are complete, including 328 that are funded under the DFI

Reconstruction Sector	Project Type	# Under Construction*	# Completed*
Health & Education	Schools	12	832
	Primary Health Care Centers	No update available this week	No update available this week
	Hospital Projects	11	20
	Public Buildings	5	52
Public Works & Water	Potable Water Projects	68	206
	Sewer Projects	7	35
Security & Justice	Fire Stations	7	72
	Military Base Projects	12	57
	Police Facilities	23	311
Transportation & Communication	Railroad Stations	5	81
	Village Roads	35	91
	Ports Projects	2	4
	Postal Facilities	5	25
	Airport Projects (FAA certified ready)	5	10
	Expressways	3	0
Electricity	Distribution Projects (including Substations)	83	149
	Transmission Projects	27	12
	Power Generation Projects	0	20
Oil	Dedicated Power Plants	2	3
	LPG/LNG Plant Refurb	5	0

* Note: Project numbers include projects funded by the Iraq Relief and Reconstruction Fund (IRRF) and the Development Fund Iraq (DFI) and managed by GRD/PCO.

Source: Multiple PCO Management Reports

Sector Overview: Current Status – End State

Compiled By: John Daley, PCO

As of: June 2, 2006



Sector	Current Status	End State
Electricity	1,431 MW capacity added Increased Power Generation to 1294K Homes Improved Electricity Distribution to approximately 250K Homes	1,562 MW capacity added (2,679 for all USG projects) Increased Power Generation to 1,400K Homes Improved Electricity Distribution to approximately 670K Homes
Oil	2.5 Million Barrels Per Day (MBPD) production capacity 2.0 MBPD produced Natural Gas Production Capacity of 600M standard cubic feet/day	3.0 MBPD crude oil capacity Natural Gas Production Capacity of 800M standard cubic feet/day
Water & Sewer	Added 117,000 cubic meters per day of water treatment capacity (benefits an estimated 880,000 Iraqis)	Additional 1,193,000 cubic meters per day of water treatment capacity (will benefit approximately 5.6 million Iraqis. All USG projects will benefit 9.33 million Iraqis)
Health	No update available this week	Population of 5 to 6.5 million Iraqis served in completed primary healthcare centers
Education	832 schools providing classrooms for 325,000 students	846 schools providing classrooms for 330,000 students
Security & Justice	311 police facilities completed 25 courthouses/prisons completed 140 border forts completed	337 police facilities 40 courthouses/prisons 148 border forts
Transportation	180 Kilometers (KM) or 58% of planned improved village roads Provided emergency response dispatch system ('911' service) covering 5.8 million citizens of Baghdad	424 KM of improved village roads 157 KM of improved major roads Provide emergency response dispatch system ('911' service) covering 12 million Iraqis in 15 cities

Note: Project numbers include projects funded by the Iraq Relief and Reconstruction Fund and the Development Fund Iraq and managed by GRD/PCO.

Source: Multiple GRD-PCO Management Reports

A Reconstruction Partnership



Office of the Assistant Secretary of the Army (ASA) for Acquisition, Logistics and Technology (ALT)

<https://webportal.saalt.army.mil/main/aae.htm>

Assistant Secretary: *The Honorable Claude M. Bolton, Jr.*

Principal Deputy to the ASA (ALT)/Director of Iraq Reconstruction and Program Management: *Mr. Dean Popps*



US Army Corps of Engineers - Gulf Region Division <http://www.grd.usace.army.mil/index.html>

Commanding General: *Maj. Gen. William H. McCoy, Jr.*

Iraq Project & Contracting Office

<http://www.rebuilding-iraq.net>

Director- Baghdad: *Maj. Gen. William H. McCoy, Jr. (dual-hatted GRD-PCO)*

Deputy Director for Reconstruction: *Ms. Kathye Johnson*

Director-Washington: *Mr. James M. Crum*



Joint Contracting Command – Iraq/Afghanistan

JCC-IA provides responsive operational contracting support to the Chief of Mission and Multi-National Corps - Iraq to efficiently acquire vital supplies, services and construction in support of the Coalition Forces and the relief and reconstruction of Iraq.

Commander: *Maj. Gen. Darryl A. Scott*



Office of the Assistant Deputy Assistant Secretary of the Army (Policy and Procurement), Iraq

DASA(P&P)-I provides the necessary administrative and contracting support to the Chief of Mission, Project and Contracting Office, Multi-National Forces, and supports the humanitarian relief, reconstruction, and security of Iraq.

ADASA(P&P)-I: *Mr. Lee Thompson*



For further Iraq reconstruction and sustainment information:

U.S. Agency for International Development: <http://www.usaid.gov/iraq>

U.S. Department of Commerce: <http://www.export.gov/iraq>

U.S. Embassy in Iraq: <http://iraq.usembassy.gov>

U.S. Central Command: <http://www.centcom.mil>

Multi-National Force – Iraq: <http://www.mnf-iraq.com>

Multi-National Security Transition Command – Iraq: <http://www.mnstci.iraq.centcom.mil/>



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Past IRU issues can be found at: http://www.dvidshub.net/index.php?script=pubs/pubs_show.php&id=201&name=Iraq%20Reconstruction%20Update